ERDEY, Laszlo, prof., dr. (Budapest, XI., Gellert ter 4); SVEHLA, Gyula, dr. (Budapest, XI., Gellert ter 4)

Accuracy of silver determination by atomic absorption methods. Acta chimica Hung 41 no.1/2:187-194 '64.

1. Institute of General Chemistry of Budapest Technical University.

ERDEY, Laszlo, prof. dr. (Budapest, XI., Gellert ter 4); LIPTAY, Gyorgy, dr. (Budapest, XI., Gellert ter 4); DAVID, Peter (Budapest, 11., Icvohaz u.39)

Derivatographic study of thermal decomposition of electrical insulating materials and insulators. Periodica polytechn electr 8 no. 3:242-250 *64.

Department for General Chemistry of the Folytechnical University,
 Budapest, and Research Institute for Electrical Industry,
 Budapest.
 Editorial Board Member, "Periodica Polytechnica - Electrical Engineering" (for Erdey).
 Submitted February 10, 1964.

ERDEY, Laszlo, prof., dr. (Budapest, XI., Gellert ter 4); KASA, Imre, dr. (Budapest, XI., Gellert ter 4)

Examination of 2-hydroxy-4-amino-4'-methoxy-diphenylamine redox indicator. Acta chimica Hung 41 no.1/2:59-65 164.

1. Institut fur Allgemeine Chemie der Technischen Universitat Budapest. 2. Mitglied, Redaktionskollegium, "Acta Chimica Academiae Scientiarum Hungaricae" (for Erdey).

LIPTAY, Gyorgy, dr okleveles vegyeszmernok, adjurktus; DAVID, Peter, okleveles vegyesz; ERDEY, Laszlo, dr., okleveles vegyesz, akademikus

Derivatographic analysis of the heat caused decomposition of electric insulators and insulations. Pt.l. Elektrotechnika 57 no.9:392-397 S '64.

1. Chair of General Chemistry, Budapest Technical University, Budapest XI., Gellert ter 3 (for Liptay). 2. Research Institute of Electric Industry, Budapest, VI., Nepkoztarsasag utja 32 (for David). 3. Head, Chair of General Chemistry, Budapest Technical University, Budapest XI., Gellerc ter 3 (for Erdey).

<u>63740-65</u> ENT(1)/IJP(c)			
CCESSION NR: AT5021739	N + 23	23	
UTHOR: Erdey, lagglo (Erdei, L.) (D	octor, Professor)(Budapest); Buzas. Hona	244	31.00
Buzach, I.)(Doctor)(Budapest); Tak	ace. Jozaef (Takach, Y.) (Budapest)	34 / 1	
ITLE: Contribution to the lumines	cence mechanism of lucigenine		
Arman, and a sale in the sale in the sale	ricae. Acta chimica, v. 41, no. 1-2, 1964,		起源
OURCE: Academia scientiarum hunga 7-42	The state of the cultivation of the state of		自 持 持
OPIC TAGS: luminescence, light em	ission, laboratory optic instrument, cataly	818	
under various experimental conditi	inescence of lucigenine was investigated lions with the aid of a modified Magnephot	- 15 (1) - 15 (1) - 15 (1)	
	rechanism was found to be composed of two	1.2.2.	
	other irreversible. Catalysts such as effortime tetroxide, caused a shift in the		
	erds the irreversible. The emission of		
	Lysts coincided with the formation of		
minute quantities of N-methylacrid	ione •		
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63681-65 ACCESSION NR: AT5021741 HU/2502/64/041/01-/0059/0065 AUTHOR: Erdey, Laszlo (Erdel, L.) (Professor, Doctor) (Budapest); Kasa, Imre (Kasha, I.)(Doctor)(Sudapest) TITLE: Investigation of the oxidation-reduction indicator 2-hydroxy-4-amino-4 prime-methoxy-diphenylamine SOURCE: Academia scientiarum hungaricae. Acta chimica, v. 41, no. 1-2, 1964, 59-65 TOPIC TAGS: oxidation reduction reaction, diphenylamine ABSTRACT: [German article] The transition potential of the indicator, the number of electrons participating in the oxidation-reduction mechanism, the reversibility of the indicator mechanism, and the absorption spectrum of the indicator were established and discussed. Two protons and two electrons participate in the oxidation process which yields violet-colored p-quinoidal compounds; no semiquinous was detected. The Carc 1/2

L 63681=65 ACCESSION NR: AT5021741	<u>, 42 - 12 - 13 - 13 - 13 - 13 - 13 - 13 - 1</u>	Ō	
indicator performs reversibly in the limits for wildly oxidizing systems 2 formulas.	he 2-12 pH range; it is suf s. Orig. art. bas: 2 table	itable within these	
ASSOCIATION: Institut fur Allgement (Institute for General Chemistry at	ine Chemie der Technischen t the Technical University	Universitat, Budapest	
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ard 2/2			

ACCESSION NR: ATSO21747 HU/2502/64/041/01-/0109/0122 AUTHOR: Erdey, Laszlo (Erdei, L.) (Doctor, Professor) (Budapest); Paulik, Ferencif Buzach-Gere, Eva (Buzag, E.) Budapest); Polos, Laszlo (Polosh, L.) TITLE: Derivatographic and electron-microscopic examination of barium sulfate precipitates. Part 2 SOURCE: Academia scientiarum hungaricae. Acta chimica, v. 41, no. 1-2, 1964, 109-122 TOPIC TAGS: chemical precipitation, barium compound, sulfate, electron microscopy ABSTRACT: Barium sulfate precipitates obtained in various analytical precipitations were examined by derivatography and electron mischecopy. Pure barium sulfate was obtained only from ver dilute solutions even after all volatile impurities were eliminated by calcination. Eighteen electron micrographs and 9 derivatographic curves were presented and discussed. Orig. art. has: 27 figures, 1 table. ASSOCIATION: Institut fur allgemeine Chemie der Technischen Universitat. Budapest (Institute for General Chemistry, Technical University) Card 1/2

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L 63899-65 EPF(c)/EWP(j) ACCESSION NR: AT5022529 HU/2502/64/042/002/0131/0144 മറ AUTHOR: Cauros, Zoltan (Chyuryesh, Z.) (Professor, Doctor) (Budapest); Dueza, (Dusa, Zh.) (Budapest); Petro. Jozsef (Petro, Y.) (Doctor) (Budapest); Erdey. (Erdei, L.) (Professor, Doctor) (Budapest); Paulik, Ferenc (Budapest) TITLE: Investigations on catalysts. Part 40: Investigations on Raney-nickel catalysts (Section 15: Effects of the alkali used as extractant and of the hydrogen content on the activity SOURCE: Academiae acientiarum hungaricae. Acta chimica, v. 42, no. 2, 1964, 131-144 TOPIC TAGS: nickol, catalysis, hydrogen, basic catalysis ABSTRACT: A derivatographic method was developed for the study of pyrophoric catalysts such as those from Raney-nickel. The method was applied to catalysts prepared by using various solvents such as sodium hydroxide, potassium hydroxide, and sodium carbonate solutions. Catalysts prepared by using KOH or NaOH contained relatively high quantities of hydrogen and the hydrogen content was in proportion to their nickel content. However, no relation was evident between the catalyst's composition and its effectiveness. Orig. art. has 1 graph and 4 tables. Card 1/2

. 63899-65 CCESSION NR: AT5022529			1	
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KOOSIS, Elemen; NRWY, Laszlo

Fixamination of the adaptatility of discensing devices to spactness term. Gep 17 ro.1 2-4 //a 365.

1. Chair of General Chemistry of Budapest Tachneral University.

INCZEDY, Janes, dr. (Budapest, XI., Gellert ter 4); NEMESHEGYI, Gabor (Budapest, YI., Gellert ter 4); ERDEY, Laszlo, prof., dr. (Budapest, XI., Gellert ter 4)

Separation and determination of rare earth metals by ion exchange chromatography. Pts.1-2. Acta chimica Hung 43 no.1:1-15 '65.

1. Institute of General Chemistry of Budapest Technical University. Submitted July 2, 1964.

L 63187-65 ACCESSION NR: AT5021755 HU/2502/64/041/01-/0187/0194 AUTHOR: Khalifa, H. (Kalifa, Kh.) (Doctor) (Giza); Erdev Laszlo (Erdei, L.) (Doctor, Professor) (Budapest); Svehla, Gyula (Shvekhla, D'.) (Doctor) (Budapest) TITLE: Accuracy of silver determinations by atomic absorption methods SOURCE: Academia scientiarum hungaricae. Acta chimica, v. 41, no.1-2, 1964, 187-194 TOPIC TAGS: silver, spectrophotometry, chemical detection ABSTRACT: The optimum experimental conditions for the determination of silver by atomic-absorption spectrophotometry were determined and various calibration curves were presented. Foreign metals did not interfere with the determinations. The errors of the determinations in various concentration ranges (varying from 10 to 1300 p.p.m.) were established and presented in tables. Orig.art. has: 7 tables, ASSOCIATION: Institute of General Chemistry, Technical University, Budapest SUBMITTED: 22Jan64 ENGL: 00 NR REF SOV: OCO make JPRS Card 11/1 The state of the participation of the state of the state

L 63899-65 EFF(c)/EMP(J) RM HU/2502/64/042/002/0131/0144 19 ACCESSION NR: AT5022529 AUTHOR: Cauros, Zoltan (Chyuryesh, Z.) (Professor, Doctor) (Budapest); Dusza, Zeigmo (Dusa, Zh.) (Budapest); Petro, Jozsef (Petro, Y.) (Doctor) (Budapest); Erdey, Laszlo (Erdei, L.) (Professor, Doctor) (Budapest); Paulik, Ferenc (Budapest) TITLE: Investigations on catalysts, Part 40: Investigations on Raney-nickel catalysts (Section 15: Effects of the alkali used as extractant and of the hydrogen content on the activity SOURCE: Academiae scientiarum hungaricae. Acta chimica, v. 42, no. 2, 1964, 131-144 TOPIC TAGS: nickel, catalysis, hydrogen, basic catalysis ABSTRACT: A derivatographic method was developed for the study of pyrophoric catalysts such as those from Raney-nickel. The method was applied to catalysts prepared by using various solvents such as sodium hydroxide, potassium hydroxide, and sodium carbonate solutions. Catalysts prepared by using KOH or NaOH contained relatively high quantities of hydrogen and the hydrogen content was in proportion to their nickel content. However, no relation was evident between the catalyst's composition and its effectiveness. Orig. art. has 1 graph and 4 tables. Card 1/2

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AUTHOR: Linter C 62	3779/0382
AUTHOR: Liptay, Gyorgy (Doctor) (Budapest); Hegyaljai Kiss, Geza (Doctor), Laszlo (Professor, Doctor) (Budapest)	tor) (Budapest)
TITLE: Investigation by thermal analysis of the pyrolytic dolors	6
Bollentiarum hungaricae. Acta chimica. w ko	1964. 379-382
Abstract: (Project analysis, pyrolysis, dehydrogenation, alcohol	
Abstract: [English article] The pyrolytic decomposition of \$\(\Delta \), 4-andros diene-3, 17-dione and of \$\(\Delta \), 4,6-andros tratriene-3, 17-dione was investiged by thermal analysis employing the Orion GYEM 676 type derivatograp methyl group is not affected by the presence of the unsaturated B-ring the first-mentioned compound pyrolyzed at a higher exothermic rate. Orig. art. has 4 formulas and 2 figures.	h. Bular and
ASSOCIATION: Department of General Chemistry, Technical University	dapest;
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L 41682-66 EWP(t)/ETI IJP(c) JD/JG ACC NR. AT6031101 SOURCE CODE: HU/2502/65/043/002/0095/0100 AUTHOR: Erdey, Laszlo-Erdei, L. (Professor; Doctor); Kasa, Imre-Kasha, I. (Doctor); Kovacs, Laszlo-Kovach, L. ORG: Technical University of Budapest, Institute of General Chemistry; Frederic Joliot-Curie Institute of Radiation Biology, Budapest TITE: Investigation of the thermoluminescent properties of lithium fluoride SOURCE: Academia scientiarum Hungaricae. Acta chimica, v. 43, no. 2, 1965, 95-100 TOPIC TAGS: lithium fluoride, thermoluminescence ABSTRACT: Changes in the thermoluminescent properties of lithium fluoride which take place on the effect of different factors were investigated. Thermoluminescence was found to depend on the nature of the lithium compound which served as an initial substance for the preparation of lithium fluoride. The same physical influences had different effects on lithium fluoride preparations obtained from various starting materials. Thermoluminescence was markedly increased by the addition of calcium fluoride. The authors thank Grad.-Engr. O. Roka for construction of the measuring device and for assistance with the measurements. Thanks are also given to Grad.-Engr. E. Kocsis for the spectrographic analysis. Orig. art. has: 4 figures and 1 table. /JPRS: 33,540/ SUB CODE: 07, 20 / SUBM DATE: 20Feb65 /ORIG REF:001 / SOV REF:001 / OTH REF:014 Card 1/1 2321

L 47233-66 TIP(c)

SOURCE CODE: HU/0005/66/000/006/0268/0269

AUTHOR: Erdey, Laszlo; Kantor, Tibor

37B

ORG: Academic Research Group of Technical Analysis, Department of General Chemistry, Technical University, Budapest (Muszaki Egyetem, Altalanos-Kemiai Tanszek, Muszaki Analitikai Akademiai Kutato Csoport)

TITLE: Continuous introduction of powdered substances into spectroscopic light sources

SOURCE: Magyar kemiai folyoirat, no. 6, 1966, 268-269

TOPIC TAGS: spectroscopy, spectroscopic analysis

ARSTRACT: A device is described which can be used for the continuous introduction of solid, powdered materials into arc and spark light sources. The substance is introduced through a tube-electrode with the aid of a crew spindle which is rotated at a constant speed by an electric motor. The "tube-electrode method" is simple and versatile, and can be applied in various spectroscopic analyses. Orig. art. has:

1 figure. [JFRS: 36,862]

SUB CODE: 20 / SUHM DATE: 26Sep65 / ORIG REF: 002 / OTH REF: 010

Card 1/1 hs

ERDEYNE SCHNEER, Anna

Some newer methods for rock and mineral analysis. Magy kem lap 19 no.6: 325-329 Je '64.

1. Research Group of Inorganic Chemistry, Hungarian Academy of Sciences, Budapest.

ERDEYNE SCHNEER, Anna, a kemiai tudomanyok kandidatusa

Newest results in ingoranic chemical qualitative analysis. Kem tud kozl MTA 22 no.1:71-88 '64.

1. Chair of General Chemistry, Lorand Ectvos University, Budapest.

RADNOT, Magda; VEYNSHTEYN, P. [Weinstein, P.], doktor med.nauk,nauchnyy red.; CHAPODI I. [Csapodi, I], doktor med. nauk, nauchnyy red.; SIZA, Mario[Sziza, Mario, translator]; ERDI, K., otv. red.; CHERGE, I. [Csorgo, I.], tekhn. red.

[Atlas of eye diseases] Atlas glaznykh boleznei. Budapest, Akademiai Kiado. Vol.2. 1963. 199 p. (MIRA 15:12)

1. Chlen-korrespondent Akademii nauk Vengrii. (EYE--DISEASES AND DEFECTS)

ERDEY-GRUZ, Tibor; MAJTHENYI, Lajos

Migration mechanism of hydrogen and hydroxyl ions. Pt. 5. Magy kem folyoir 65 no. 5:167-174 My 159.

- 1. Eotvos Lorand Tudomanyegyetem Fizikai-Kemiai Tanszeke, Budapest.
- 2. "Magyar Kemiai Folyoirat" felelos szerkesztoje (for Erdey-Gruz).

ERDEY-GRUZ, Tibor; MAJTHENYI, Lajos

Migration mechanism of hydrogen and hydroxyl ions. Pt. 6. Magy kem folyoir 65 no. 6:212-218 Je 159.

- 1. Eotvos Lorand Tudomanyegyetem Fizikai-Kemiai Tanszek, Budapest.
- 2. "Magyar Kemiai Folyoirat" felelos szerkesztoje (for Erdey-Gruz).

ERDEY-GRUZ, Tibor, dr., akademikus, egyetemi tanar (Budapest)

The fight and unity of the opposites in thermodynamics. Term tud kozl 5 no.2:65-66 F '61.

ERDEY-GRUZ, Tibor

In commemoration of the 250th anniversary of the birth of Mikhail Vasil'evich Lomonosov. Magy kem lap 16 no.12:529-530 D 61.

ERDEY-GRUZ, T. (Budapest); DEVAY, J. (Budapest)

Raising the depolarization of quicksilver electrodes by alternating current. Rev chimie 7 no. 1: 181-188 162.

 Lehrstuhl fur physikalische Chemie und Radiologie der Roland-Eotvos-Universitat; Elektrochemische Forschungsgruppe der Ungarischen Akademie der Wissenschaften, Budapest.

ERDEY-GRUZ, Tibor, dr.

Answers by Dr. Tibor Erdey-Grus, president of the Council of Science and Higher Education. Muss elet 17 no.24:3 22 N 162.

1. Tudomanyos es Felsooktatasi Tanacs elnoke.

ERDEY-GRUZ, Tibor; DEVAY, Jozsef; VAJASDY, Irma

Effect on sine currents on electrode processes.X. Effect of sine currents on the hydrogen overvoltage of platinum cathode. Magy kem folyoir 68 no.5:185-190 My '62.

1. Eotovos Lorand Tudomanyegyetem Fizikai-Kemiai es Radiologiai Tanszeke, Budapest, es Magyar Tudomanyos Akademia Elektrokemiai Kutato Csoportja, Budapest. 2. "Magyar Kemiai Folyoirat" felelos szerkesztoje (for Erdey-Gruz).

ERDEY-GRUZ, Tibor; DEVAY, Josef; SZEGEDI, Robert

Effect of sine currents on electrode processes. XI. Effect of alternating currents on the Hg-Zn corrosion in the case of the processes of mixed control. Magy kem folyoir 68 no.5:190-193 My '62.

1. Eotvos Lorand Tudomanyegyetem Fizikai-Kemiai Tanszeke, Budapest, es a Magyar Tudomanyos Akademia Elektrokemiai Kutato Gsoportja, Budapest. 2. "Magyar Kemiai Foloyoirat" felelos szerkesztoje (for Erdey-Gruz).

ERDEY-GRUZ, Tibor; DEVAY, Jossef; HORANYI, Gyorgy; VAJASDY, Irma

The effect of simusoidal current on electrode processes.XII. Magy kem folyoir 68 no.9:373-376 S '62.

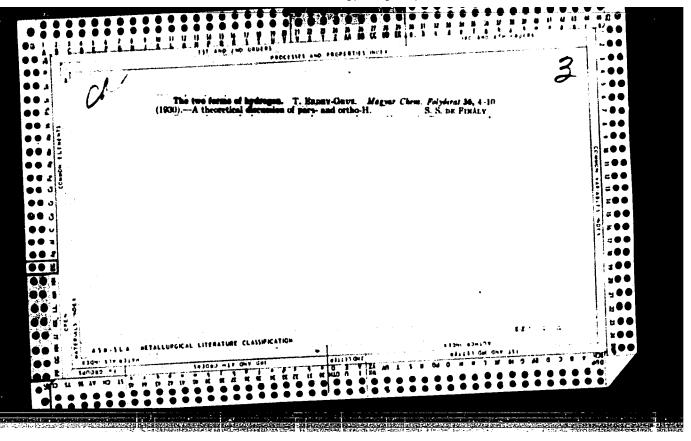
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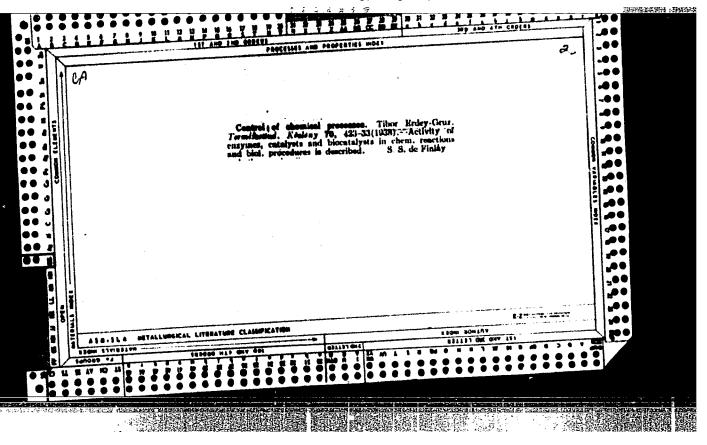
- SZABO, Zoltan, egyetemi tanar; POLINSZKY, Karoly, a kemiai tudomanyok doktora; MATOLCSY, Kalman, a kemiai tudomanyok kandidatusa; LEVAY, Gyula; NAGY, Ferenc, a kemiai tudomanyok doktora; BERECZ, Endre, a kemiai tudomanyok kandidatusa docens; KORACH, Mor, akademikus; LENGYEL, Sandor, a kemiai tudomanyok doktora; SCHAY, Geza, akademikus, egyetemi tanar; FRDEY-GRUZ, Tibor, akademikus
 - 1. Problems of and experiences with coordinating the main task of the long-range research entitled "Investigation of the mechanism of chemical processes as well as the regularities of chemical industrial operations." Kem tud kozl MTA 20 no.2:
 - 1. Magyar Tudomanyos Akademia levelezo tagja; "A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei" szerkeszto bizottsagi tagha (for Szabo). 2. Veszpremi Vegyipari Egyetem rektora; "A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei" szerkeszto bizottsagi tagja (for Polinszky). 3. Magyar Tudomanyos Akademia Kozponti Kemiai Kutato Intezete igazgatohelyettese (for Nagy). 4. Eotvos Lorand Tudomanyegyetem Fizikai Kemiai es Radiologiai Tanszeke. 5. Magyar Tudomanyos Akademia Muszaki Kemiai Kutato Intezetenek igazgatoja; "A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei" szerkeszto bizottsagi tagja (for Korach). 6. Akademia Elektrokemiai Kutato Csoport vezetoje; "A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei" szerkeszto bizottsagi tagja (for Lengyel). (cont. on next comi

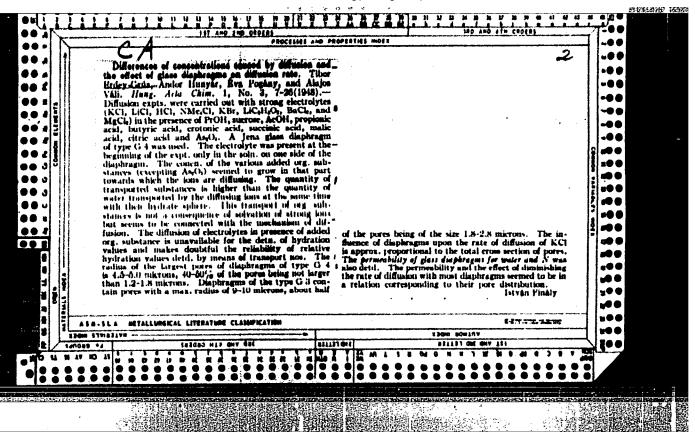
ERDEY-GRUZ, Tibor, akademikus

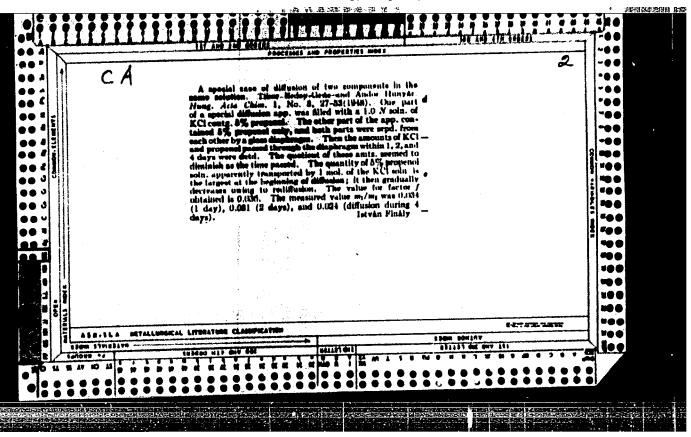
The state of natural sciences and the Hungarian national long-range scientific research plan. Magy tud 70 no.1:7-18 Ja 163.

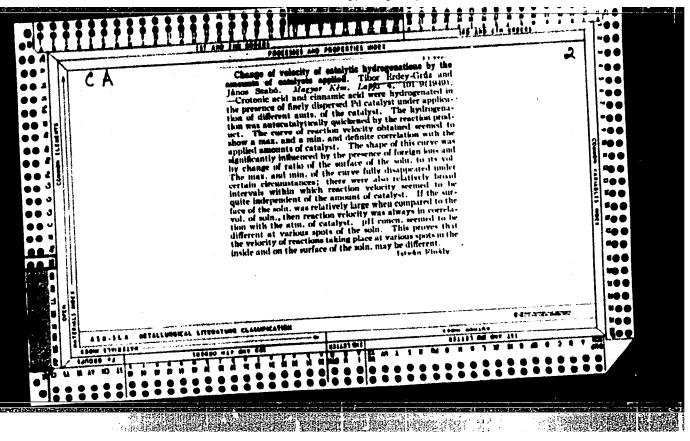
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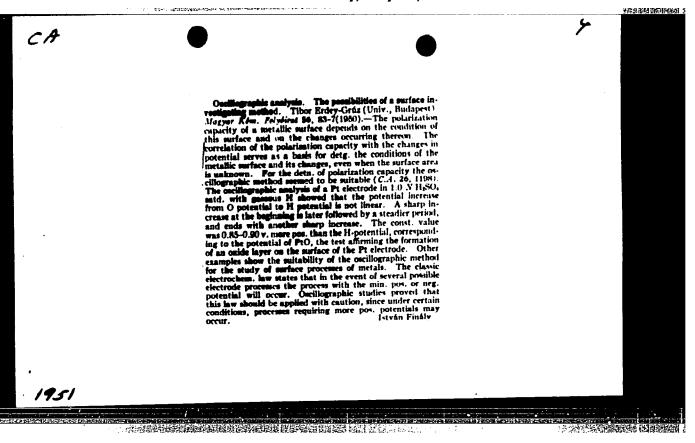


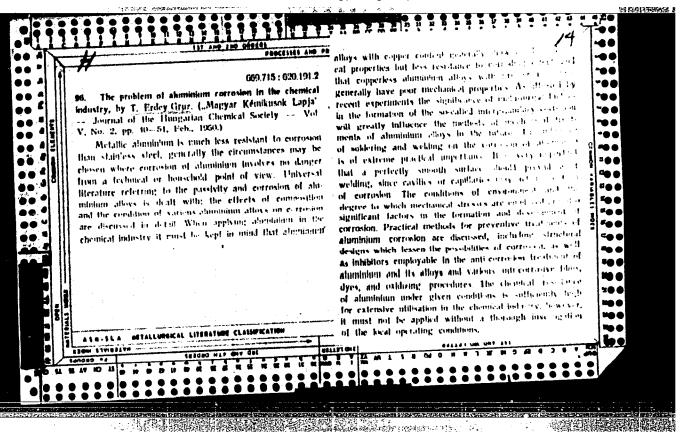


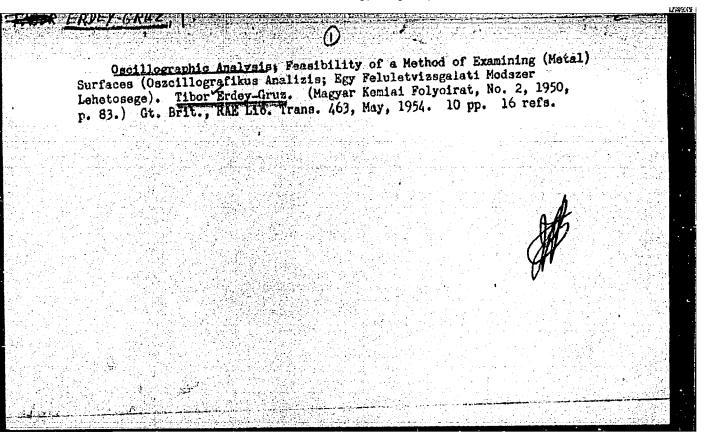




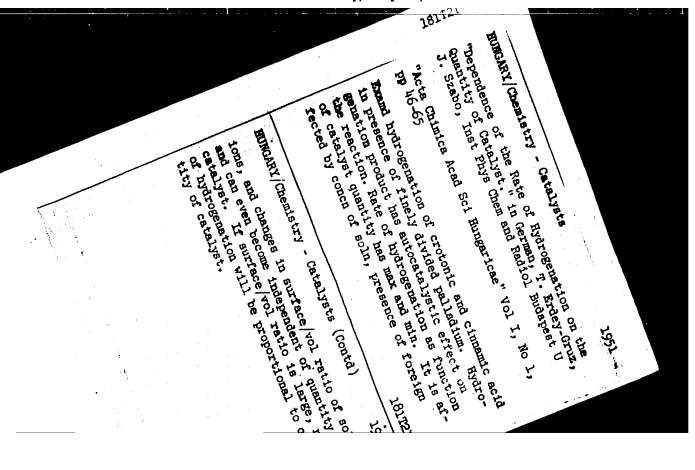
Electrolypia of complex allver east solutions. There Reder Schaus and Valeria Horvathy (Univ., Bedapest, 1 Hung.). Magyor Kim. Lapps 4, 524-31(1949).—A device was constructed for the purpose of sarrathing the surface of a silver electrode during electrolysis. This electrode was preped, from a thick wise by hammering it that a disklike shape. Soins, court, various anns, of AgNOs, KAgCNIs, and Ag(NLi), 101 were reicolar was studied. Classons N was bubbled through the solm, during electrolysis to linbit the dissolving of Ag in the cyanike soin. The max current ds. were detd. at which the Ag ppin, on the cathode still agreed with the law of Fareigay, these values are called "limits" of 100°, Ag ppin, (1mg.). This limit was the highest in AgNOs, whin, as compared to other colins, of interest of the cathode word no alternation where KNOs or NH,001 was added to the soin, at a given Ag cocen. The addin, of excess KNOs to a soil, or KAgCNOs, diminished the value of lassy, by about 1% for each degree centigrads. A correlation of the snoil-classolving effect to the current divides of anodic lossy,. The results of expits, shown on significant differences between electrolytic ppin, of Ag from Ag fon hydrates present in simple soins, of Ag saits and







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ERDEY-GRUZ, TIROR.

Elmeleti fizikai kemia (irtak) Erdey-Gruz Tibor es Schay Geza. 2. kiad. Budapest, Tankonyvkiado. (Egyetemi tankonyv) (Theoretical and physical chemistry; a university textbook. 2d ed. illus., diagrs., graphs, indexes, tables) Vol. 1. 1955. 619 p.

SO: Monthly Index of East European Accession (EMAI) LC. Vol. 7, No. 5, 1958

ERDEY-GRUZ, T. (Budapest)

Hungary

T. Erdey-Gruz, author of "Influence of cations upon oxygen overvoltage," presented at the 4th Electrochemical Conference Conference, Moscow, 1-6 October, 1956,

SOURCE: Program to the 4th International Conference on Electrochemistry, Moscow, 1-6 October 1956, Unclassified.

ERDEY-GRUZ, T.

Category: USSR/General Problems - Problems of Teaching A-3

Abs Jour : Ref Zhur - Fizika, No 2, 1957 No 2783

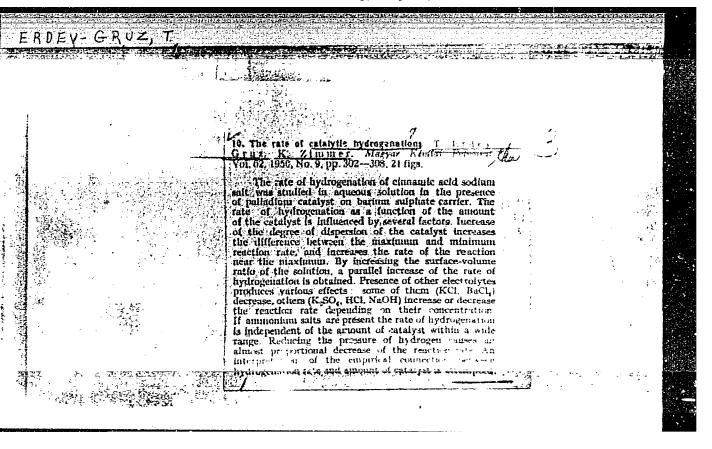
Author : Erdei-Gruz, Tibor

Title : Physics Teaching in Hungarian Schools

Orig Pub: Fizika v shkole, 1956, No 4, 51-53

Abstract : No abstract

Card : 1/1



ERDEY-GRUZ

B-13

HUNGARY/Physical Chemistry - Surface Phenomena. Adsorption. Chromatography. Ion Exchange.

Abs Jour

: Ref Zhur - Khimiya, No 8, 1958, 24356

Erdey-Gruz T., Nagy F.

Author

Inst

: Hungarian Academy of Sciences.

Adsorption of Ethylene at Activated Carbon in Water

Title

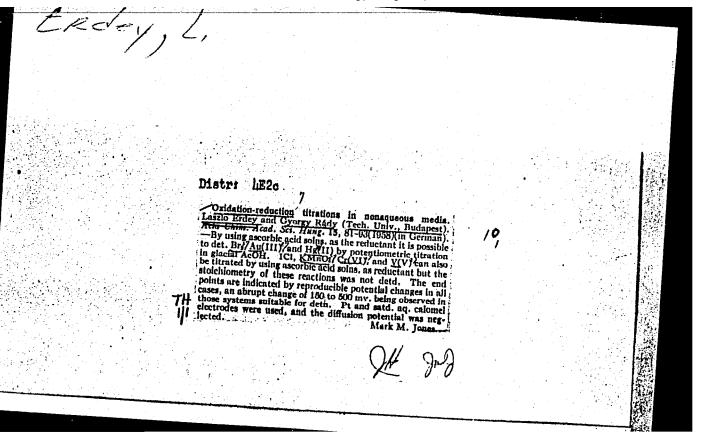
Orig Pub

: Acta chim. Acad. sci. hung., 1957, 12, No 1, 101-114

Abstract

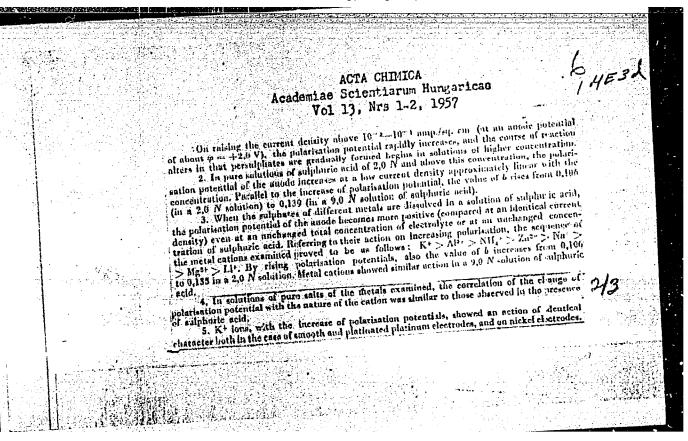
: Detailed description of a unit, designed by the authors, for recording of adsorption isotherms (AI) by the volumetric method at a constant pressure, which is also suitable for determination of AI and adsorption kinetics of adsorbents suspended in water. Over the range of 0-500 mm Hg were recorded AI of ethylene at dry, activated wood charcoal (I; 18.6, 20.0 and 25.00) with a specific

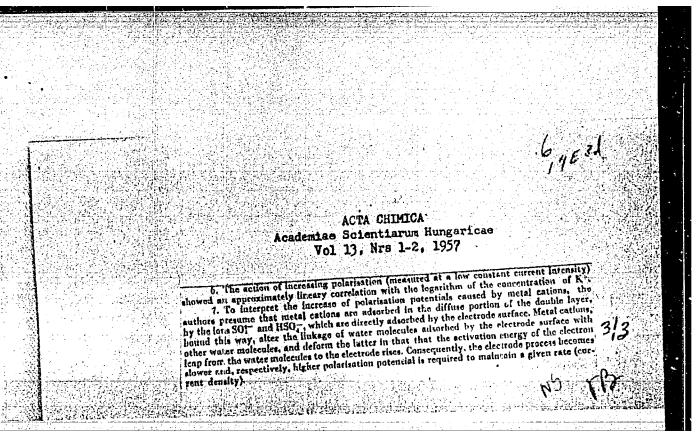
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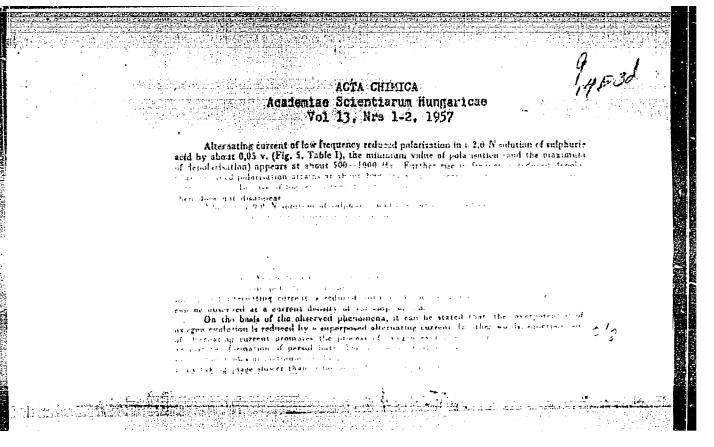
Decomposition of hydrogen percent of an atleanne soution in the presence of a copper citrate complex. L. Brdey and J. Inc. (1) and J. Inc. (1)

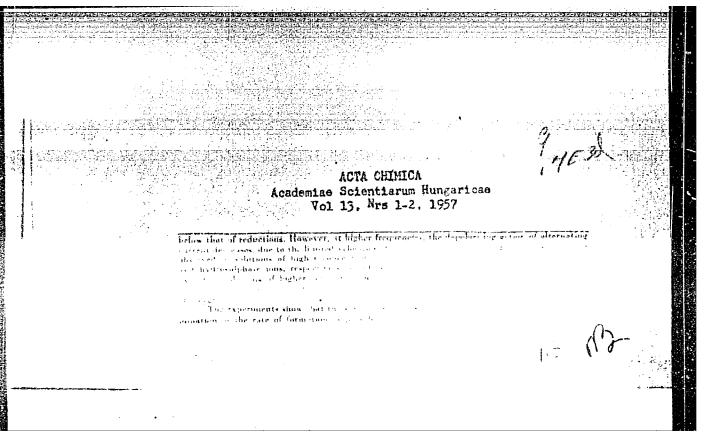
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	Vol 13, Nrs 1-2, 1957	ાં હોવા
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	ON PLATINUAL ANODE IN SOLUTIONS OF SULPHANE AND	-
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- -	The changes of the pularisation potential of a platinum anode (against a menual hydrogen	
1	electro le of v.) under the action of alternating current appectuations to direct current, were exemited in a 1,0 N and 9 0 N and to a sale ingression of the current of th	
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	The polarisation curves (\$\psi = A + b log 1) proved to be linear with few exceptions.	!
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	of 50 1000 He, the value of b sign function and the state of the state	
	with direct current. When the frequency of mercuring areas and a second of a did not appreciably change (126).	
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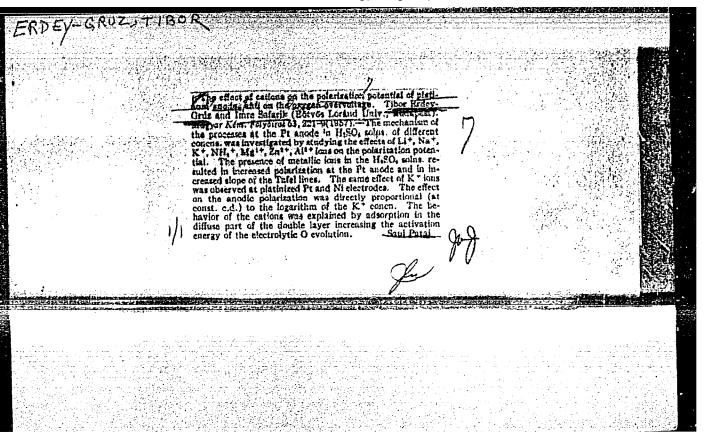


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ERDEY-GRUZ, TIBOR

HUNGARY/Physical Chemistry - Electrochemistry.

B-12

Abs Jour

: Ref Zhur - Khimiya, No 7, 1958, 20777

Author

: Tibor Erdey-Gruz, Imre Sefarik.

Inst Title : Influence of Alternating Current on Oxygen Overvoltage on

Platinum Electrode in Sulfurine Acid Solution.

Orig Pub

: Magyar kem. folyorat, 1957, 63, No 9, 237-242

Abstract

: The dependence of oxygen overvoltage on smooth Pt at i from 10-5 to 1 amp. per sq.cm in 2 n. H2SO4, as well as 9 n. H₂SO_{l4} on the frequency (V) of an additionally superimposed alternating current (50 to 20,000 cycles) was studied. With the rise of ν , the potential of Pt passes (at a given i) through a minimum, the depth of which at i = 10-5 to 10-2 amp. per sq.cm is 0.05 to 0.06 v in the case of 2 n. H_2SO_{14} , and 0.32 to 0.36 v in the case of 9 n. H_2SO_{14} , and at i=1 amp. per sq.cm it drops to 0.003 v and zero correspondingly. The depolarizing action of the

Card 1/2

HUNGARY/Physical Chemistry. Electrochemistry.

Abs Jour: Ref Zhur-Khin., No 15, 1958, 49711.

In solutions of KOH and KCl the minimum of (\lambda, N) curves is flattened, is located in the interval N = 40-60%, and corresponds to the maximum of the (\lambda, N) curve. With increasing N up to 80-90% the temperature coefficient (TC) of \lambda of all three electrolytes increases, while at higher N -- it drops. TC of \(\lambda\), over a wide range of N, varies approximately linearly with increasing N, and only with very low contents of water and I the TC decreases sharply. Energy of activation of electric conductivity A (in kcal/mole in all instances) is about 2.3 in pure I. With increasing N up to 75-85% A increases, after that it drops. Maximum values of A: 4.6 for HCl, 5.1 for KOH, 4.6 for KCl. For \(\frac{7}{2}\) the A values increase with increasing N,

Card : 2/3

34

HUNGARY / Physical Chemistry. Electrochemistry.

B

: Ref Zhur - Khimiya, No 12, 1959, No. 41723 Abs Jour

Erdey-Gruz, T.; Majthenyi, L.

Author Hungarian AS

The Transfer Mechanism of Hydrogen and Inst Title

Hydroxyl Ions. II. Transfer Numbers of HCl, KOH, KF and KCl in Water-Methanol Mixtures at Temperatures Ranging from

5-25°.

: Acta chim. Acad. scient. hung., 1958, Orig Pub

16, No 4, 417-438

The transfer numbers n for HC1, KOH, KF Abstract

and KCl were determined by the moving boundary method from a mixture of metha-

nol (I) and water at temperatures ranging

card 1/4

HUNGARY / Physical Chemistry. Electrochemistry.

В

Abs Jour : Ref Zhur - Khimiya, No 12, 1959, No. 41723

raised. From the electroconductivity data published earlier (R. Zh. Khim, 1959, No 5, 14759), and the values of n obtained, the ion mobility , expression . The cients of the mobility (TCM) were calculated. TCM dependence on the solvent's water content passes through a maximum for all ions. The greatest maximum was observed with F and the smallest for H ions. Maxima on TCM-composition, and composition curves were observed at identical compositions for H₃O[†] and OH ions, while those for K[†], Cl and F occurred at different compositions. K[†] ion mobility was the same in KOH, KF and KCl solutions,

Card 3/4

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· HUNGERY/Physical Chemistry. Electrochemistry.

Abs Jour: Ref Zhur-Khim., No 5, 1959, 14759.

Author : Erdey-Gruz T., Hejthenyi L.

The state of the s Inst

: The Mechanism of Movement of Hydrogen and Hydroxyl Ions. II. The Transfer Numbers of HCl, KOH, KCl and Title

KF in Methanol-Water Mixtures at 5 and 250.

Orig Pub: Magyar kem. folyoirst, 1958, 64, No 6, 212-220.

Abstract: The transfer numbers (TN) of HCl, KOH, KCl and KF in methanol (I) - water mixtures of various compositions have been measured at 5 and 250. The TN in the case of NC1 and KON strongly depend on the water content in the mixture; in the case of KCl and KF - they are insignificant. The TN of IH,

: 1/3 Card

27

ERDEY-GRUZ, T., MAJHENYI, L.

Mechanism of migration of hydrogen and hydroxyl ions. V. Effects of the composition of ethanol and water on the transference numbers and ion mobilities of dissolved LCL, KOH, KF AND KCI at 5 and 25 C. In German, p. 73

ACTA CHIMICA. Budapest, Hungary, Vol. 20, No. 1, 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 9, No. 2 Feb. 1960 Uncl.

ERDEY-GRUZ, T.; MAJTHENYI, L.

Mechanism of migration of hydrogen and hydroxl ions. VI. Effect of the temperature and composition of glycol-water mixture on the transference numbers and ion mobilities of dissolved HCI, KOH, KF and FCI at 5° and 25° C.

ACTA CHIMICA. (Magyar Tudomanyos Akademia) Budapest, Hungary. Vol. 20 No. 2, 1959

Monthly Lists of East European Accessions, (EEAI) LC, Vol. 9, No. 1, 1960 Uncl.

ERDEY-GRUZ, Tibor; KUGLER, Elvira; HIDVEGI, Judit

Migration mechanism of hydrogen and hydroxyl ions. Pt. 3. Magy kem folyoir 65 no.3:114-123 Mr 159.

- 1. Ectvos Lorand Tudomanyegyetem Fizikai-Kemiai Tanszeke, Budapest. 2. "Magyar Kemiai Folyoirat" felelos szerkesztoje (for Erdey-Gruz).
- 3. "Magyar Kemiai Folyoirat" szerkesztosegi titkara (for Kugler).

ERDEY-GRUZ, T.; KUGLER, E.; HIDVEGI, J.

Mechanism of the migration of the hydrogen and hydroxyl ions. IV. Effect of the constitution of glycol-water mixtures on the condectivity of dissolved hydrochloric acid, potassium hydroxide, potassium fluorite, and potassium chloride as well as their viscosity at 5° and 25°C. p. 152.

MAGYAR KEMIAI FOLYOIRAT. Budapest, Hungary. Vol. 65, no. 4, Apr. 1959

Monthly List of East European Accessions (EEAI), LC. Vol. 8, Nc. 9, September 1959 Uncl.

ERDEY-GRUZ, Tibor, r.tag (Budapest)

An account made by the Section's leadership; also, remarks by Gyula Hardy and others. Kem tud kozl MTA 14 no.2:141-175 '60. (EEAI 10:2)

1. Osztalytitkar, Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalya, Budapest.

(Hungarian Academy of Sciences) (Hungary--Chemistry)

ERDEY-GRUZ, Tibor, akademikus (Budapest) Transition of quantitative changes into qualitative ones as seen by a chemist. Magy tud 67 no.8:467-484 Ag '60. (EEAI 9:11)

(Chemistry)

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Quantitative changes turning into qualitative ones, as seen by the chemist. II. Magy tud 67 no.9:529-543 S 60. (EEAI 9:12)

(Chemistry) (Gases) (Heat)

(Molecules) (Solutions)
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High-level and up-to-date teaching in the institutions of higher education. Magy tud 67 no.12:711-715 D '60. (EEAI 10:3) (Hungary--Universities and colleges)

ERDEY-GRUZ, Tibor, egyetemi tanar (Budapest)

Modern science and religion; the voice of natural sciences. Munka 11 no.1:20-21 Ja 161.

(Religion and science)

ERDEY-GRUZ, Tibor, akademikus (Budapest); CHOLNOKY, Laszlo; SZABO, Zoltan; SZEKER, Gyula, kandidatus; FOLDI, Zoltan; LANGYEL, Sandor, a tudomanyok doktora; TAKACS, Pal, kandidatus

An account of the 1960 work of the Section of Chemical Sciences, Hungarian Academy of Sciences. Kem tud kozl MTA 15 no.4:401-460 '61.

1. Osztalytitkar, Magyar Tudomanyos Akademia Kemiai Tudomanyok Osstalya, Budapest es Szerkeszto, Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei(for Erdey-Gruz) 2. Lev. tag, Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei(for Cholnoky, Szabo, Foldi) 3. Szerkesztobizottsagi tag, Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei(for Lengyel)

(Hungarian Academy of Sciences) (Hungary-Chemistry)

ERDEY_GRUZ, Tibor, dr.

Fight and unity of antitheses as seen by a chemist. Magy kem lap 16 no.4:147-155 Ap 161.

1. Kotvos Lorand Tudomany Egyetem Fizikai Kemiai es Radiologiai Intezete, Budapest.

ERDEY_GRUZ, Tiber, Kossuth-dijas akademikus Mass and weight. Elet tud 16 no.16:500-501 16 Ap '61.

ERDEY-GRUZ, Tibor, Kossuth-dijas akademikus

Is matter destructible? Elet tud 16 no.19:596-598 7 My '61.

ERDEY-GRUZ, Tibor, Kossuth-dijas akademikus

Matter and energy. Elet tud 16 no.21:660-661 21 My '61.

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ERDEY-GRUZ, Tibor; BERKY, Denes; KAPOSI, Oliver; ROZSONDAI, Bela

Automatic timer for capillary viscosimeters. Magy Kem folyoir 67 no.2:200-203 My '61.

1. Eotvos Lorand Tudomanyegyetem Fizikai Kemiai es Radiologiai Tanszeke, Budapest 2. "Magyar Kemiai Folyoirat" felelos szerkesztoje (for Erdey-Gruz).

ERDEY-GRUZ, Tibor; GOLOPENCZANE MARCH, Olga

Effect of concentration and temperature on the overvoltage of oxygen on platinum anode in sulfuric acid solution. Magy kem folyoir 67 no.10:435-443 0 '61.

1. Eotvos Lorand Tudomanyegyetr- Fizikai-Kemiai es Radiologiai Tanszeke, Budapest; Magyar Tudomanyos Akademia Elektrokemiai Kutato Csoportja. 2. "Magyar Kemiai Folyoirat" felelos szerkesztoje (for Erdey-Gruz).

ERDEY-GRUZ, Tibor; DEVAY, Jozsef; SZEGEDI, Robert

Effect of sinus currents on electrode processes. IV. Effect of alternating currents on Hg-Zn corrosion in case of cathodecontrolled process. Magy kem folyoir 67 no.10:444-446 0 '61.

1. Eotvos Lorand Tudomanyegyetem Fizikai-Kemiai es Radiologiai Tanszeke, Budapest; Magyar Tudomanyos Akademia Elektrokemiai Kutato Csoportja, Budapest 2. "Magyar Kemiai Folyoirat" felelos szerkesztoje (for Erdey-Gruz),

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ERDEY-GRUZ, Tibor; DEVAY, Jozsef; VAJASDY, Irma; HORANYI, Gyorgy; MESZAROS, Lajos

Effect of sinus currents on electrode processes. V. Overvoltage change calculation on mercury cathode caused by alternating currents. Magy kem folyoir 67 no.10:446-449 0 161.

1. Eotvos Lorant Tudomanyegyetem Fizikai-Kemiai es Radiologiai Tanszeke, Budapest; Magyar Tudomanyos Akademia Elektrokemiai Kutato Csoportja, Budapest. 2. "Magyar Kemiai Folyoirat" Felelos szerkesztoje (for Erdey-Gruz).

ERDEY-GRUZ, Tiber; DEVAY, Jezsef; SZEGEDI, Robert; VAJASDY, Irma

Effect of sinusoidal current on electrode processes. VI. Effect of alternating current on Hg-Zn corrosion in case of anode control. Magy kem folyeir 67 no.12:512-517 D 161.

1. Ketves Lerand Tudemanyegyetem, Fizikai-Kemiai es Radiologiai Tanszeke, Budapest es Magyar Tudomanyos Akademia Elektrekemiai Kutate Cseportja. 2. Feleles szerkeszte, "Magyar Kemiai Folyeirat" (fer Erdey-Gruz).

ERDEY-GRUZ, Tibor; DEVAY, Jezsef; SZEGEDI, Robert

Effect of sinuseidal current on electrode processes. VII. Effect of the unequal distribution of alternating current on the corrosion of Zn. Magy kem folyoir 67 no.12:535-537 D ¹61.

1. Eotves Lerand Tudomanyegyetem Fizikai-Kemiai es Radiologiai Tansseke, Budapest es Magyar Tudomanyos Akademia Elektrekemiai Kutate Csepertja.

ERDEY-GRUZ, Tibor, akademikus, egy. tanar (Budapest)

Contribution to the material nature of the world. Magy tud 68 no.2: 85-92 F '61. (EEAI 10:6)

1. Ectvos Lorand Tudomanyegyetem, Budapest.
(Matter) (Dialectical materialism)

ERDEY-GRUZ, Tibor, akademikus, egy. tanar (Budapest)

Struggle and unity of contradictions as seen by a chemist. Magy tud 68 no.7/8:415-428 J1-Ag '61.

1. Ectvos Lorand Tudomanyegyetem, Budapest.

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041221

ERDEY_GRUZ, Tibor; DEVAY, Jozsef; HCRANYI, Gyorgy; VAJASDY, Irma; MESZAROS,

Effect of sinus current on electrode processes. II. Mathematical investigation of the effect exerted on hydrogen over-voltage occurring on mercury cathode caused by sinus current. Magy kem folyoir 67 no.9:378-384 S '61.

1. Eotvos Lorand Tudomanyegyetem Fisikai-Kemiai es Radiologiai Tanszeke, Budapest; Magyar Tudomanyos Akademia Elektrokemiai Kutato Csoportja. 2. "Magyar Kemiai Folyoirat" Felelos szerkesztoje (for Erdey-Gruz).

ERDEY-GURZ, Tibor; DEVAY, Jozsef; SZEGEDI, Robert

Effect of sinus current on electrode processes.III. Effect of sinus current on the electrolyzing direct current distribution in mercury cathodes. Magy kem folyoir 67 no.9:384-387 S '61.

1. Eotvos Lorand Tudomanyegyetem Fizikai-Kemiai es Radiologiai Tanszeke, Budapest; Magyar Tudomanyos Akademia Elektrokemiai Kutato Csoportja. 2. "Magyar Kemiai Folyoirat" felelos szerkesztoje (for Erdey-Gruz).

BECK, Mihaly; BITE, Pal; BRUCKNER, Gyozo; CSENTES, Jozsef; CSUROS, Zoltan; DEAK, Gyula; ERDEY-GRUZ, Tibor; ERDEY, Laszlo; FABIAN, Pal; FIMALY, Istvan; FODOR, Gabor; FODORNE CSANYI, Piroska; GYORBIRO, Karoly; INZELT, Istvan; KUCSMAN Arpad; MEUMANN, Erno; PUNGOR, Erno; SCHNEER, Anna; SCHULEK, Elemer; SZABADVARY, Ferenc

Rules for the Hungarian chemical nomenclature and orthography. Kem tud kozl MTA 17 no.1/4:1-292 '62.

1. "A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei" szerkeszto bizottsagi tagja (for Bruckner, Csuros, Iaszlo Erdey, G.Fodor, and Schulek). 2. "A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei" szerkesztoje (for Erdey-Gruz). 3. "A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei" technikai szerkesztoje (for Finaly). 4. Muvelodesugyi Miniszterium (for Csentes). 5. Magyar Tudomanyos Akademia Helyesitasi Bizottsage (for Fabian). 6. Nehezipari Miniszterium (for Neumann).

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ERDEY-GRUZ, Tibor

Perspective plan of scientific research. Musz elet 17 no.6: 6 Mr '62.

ERDEY-GRUZ, Tibor, akademikus; BRUCKNER, Gyozo, akademikus; LENGYEL, Bela;

TELEGIT-KOVATS, Lasalo, a tudomanyok doktora; HARDY, Gyula,
kandidatus; GERECS, Arpad, akademikus; FOLDI, Zoltan; WOLKOBER,
Zoltan; TUDOS, Ferenc, kandidatus; FURMAN, Jeno; KRAUSZ, Imre,
kandidatus; ERDEY, Lasalo, akademikus; SCHAY, Geza, akademikus

An account of the 1961 work of the Section of Chemical Sciences, Hungarian Academy of Sciences. Kem tud kozl 18 no.3:343-394 162.

1. Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak titkara, es "A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei" szerkesztoje (for Erdey-Gruz). 2. Akademiai levelezo tag (for Lengyel and Foldi). 3. "A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei" szerkeszto bizottsagi tagja (for Bruckner, Erdey, Foldi, Gerecs, Hardy, Lengyel, Schay, Tudos).

ERDEY-GRUZ, Tibor, prof., dr. (Budapest VIII., Puskin u.ll-13); DEVAY,
Jozsef, dr. (Budapest VIII., Puskin u.ll-13); HORANYI, Gyorgy
(Budapest VIII., Puskin u.ll-13); VAJASDY, Irma (Budapest VIII.,
Puskin u.ll-13); MESZAROS, Lajos (Budapest VIII., Puskin u.ll-13)

Data on the effect of a sinus current on electrode processes.II.

Mathematical investigation of the effect of a sinus current on
the hydrogen overpotential occurring on the mercury cathode.

Acta chimica Hung 30 no.4:431-444 162.

1. Physikalisch-Chemischer und Radiologischer Lehrstuhl der Lorand Eotvos Universitat, und Elektrochemische Forschungsgruppe der Ungarischen Akademie der Wissenschaften. 2. Editorial Board Member, "Acta Chimica" (for Erdey-Gruz).

ERDEY-GRUZ, Tibor, prof., dr. (Budapest VIII., Puskin u.11-13);

BERKY, Denes (Budapest VIII., Puskin u.11-13);

KAPOSI, Oliver (Budapest VIII., Puskin u.11-13);

ROZSONDAI, Bela (Budapest VIII., Puskin u.11-13)

Automatic timing device for capillary viscosimeters. Acta chimica Hung 31 no.4:385-392 '62.

1. Lehrstuhl fur Physikalische Chemie und Radiologie der L. Eotvos Universitat, Budapest. 2. "Acta Chimica Academiae Scientiarum Hungaricae" szerkessto bizottsagi tagja (for Erdey-Gruz).

ERDEY-CRUZ, Tibor, prof., dr. (Budapest VIII., Puskin u.11-13);

DEVAY, Jozsef, dr. (Budapest VIII., Puskin u.11-13);

SZEGEDI, Robert (Budapest VIII., Puskin u.11-13)

On the effect of simusoidal current on electrode processes.III. The effect of simusoidal current on the distribution of electrolyzing direct current on mercury cathode. Acta chimica Hung 31 no.4:407-414 162.

1. Lehrstuhl fur physikalische Chemie und Radiologie L. Eotvos Universitat, Budapest; und Forschungsgruppe fur & Elektrochemie der Ungarischen Akademie der Wissenschaften, Budapest. 2. "Acta Chimica Academiae Scientiarum Hungaricae" szerkeszto bizottsagi tagja (for Erdey-Gruz).

ERDEY-GRUZ, Tibor, prof., dr. (Budapest, VIII., Puskin u. 11-13); DEVAY, Jozsef, dr. (Budapest, VIII., Puskin u. 11-13); SZEGEDI, Robert (Budapest, VIII., Puskin u. 11-13)

On the effect of a simusoidal current on electrode processes. IV. Acta chimica Hung 32 no.3:355-361 '62.

1. Lehrstuhl fur physikalishes Chemie und Radiologie der Lorand Eotvos Universitat, Budapest, und Elektronische Forschungsgruppe der Ungarischen Akademie der Wissenschaften, Budapest.

2. Mitglied, Redaktionskollegium, "Acta Chimica Academiae Scientarum Hungaricae." (for Erdey-Gruz).

ERDEY-GRUZ, Tibor, prof., dr (Budapest, VIII., Puskin u.11-13); DEVAY,

JOZSET, dr. (Budapest, VIII., Puskin u.11-13); VAJASDY, Irma
(Budapest, VIII., Puskin u.11-13); HORANYI, Gyorgy (Budapest, VIII.,
Puskin u.11-13); MESZAROS, Lajos (Nudapest, VIII., Puskin u.11-13)

On the effect of a sinusoidal current on electrode processes. V. Acta chimica Hung 32 no.3:364-370 62.

1. Lehrstuhl fur physikalische Chemie und Radiologie der Lorant Eotvos Universitat, Budapest, und Elektrochemische Forschungsgruppe der Ungarischen Akademie der Wissenschaften, Budapest. 2. Mitglied, Redaktionskollegium, "Acta Chimica Academiae Scientiarum Hungaricae" (for Drdey-Gruz).

ERDEY-GRUZ, Tibor; VAJASDY, Irma

Effect of the condition of platina anodes on the potential of electrolytic oxygen formation. Magy kem folyoir 67 no.2:90-95 F '62.

1. Ectvos Lorand Tudomanyegyetem Fizikai-Kemiai es Radiologiai Tanszeke, Budapest. 2. "Magyar Kemiai Folyoirat" felelos szerkesztoje (for Erdey-Gruz).

ERDLY-GRUZ, Tibor; DEVAY, Jozsef; SZFGED1, Robert

The effect of sinus currents of electrode processes.VIII. Effect of alternating currents on the strength of direct currents flowing between polarized Zn-electrodes. (To be contd.) Magy kem folyoir 68 no.4:140-142 Ap '62

1. Eotvos Lorand Tudomanyegyetem Fizikui-Kemiai es Radiologist & Tanszeke, es Magyar Tudomanyos Akademia Elecktrokemiai Kutato Csoportja, Budapest. "Magyar Kemiai Folyoirat" felelos szerkesztoje(for Erdey-Gruz).

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